

Application No. 10/628,677
January 31, 2007
Amendment responsive to Office Action of November 1, 2006

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In the Claims:

Please amend the claims as indicated below:

1. (currently amended) A method of utilizing code division multiple access in modulated reflectance of transmissions comprising the steps of:

generating a ~~phase-modulated reflectance~~ data bit stream;
coding said ~~phase-modulated reflectance~~ data bit stream to increase its bit rate;

providing said modified phase-modulated reflectance data bit stream to a switch that selectively connects an antenna to an infinite impedance in the event a "1" is to be sent, or connects said antenna to ground in the event a "0" is to be sent at least one power splitter such that the antenna has a high impedance in the event a "1" is to be sent and a low impedance in the event a "0" is to be sent, wherein the at least one power splitter selectively connects at least one matched load to the antenna, and wherein the matched load is also connected to ground.

2. (cancelled)

3. (original) The method as described in claim 1, wherein said at least one power splitter is one power splitter.

4. Apparatus for utilizing code division multiple access in modulated reflectance transmissions comprising:

a modulated reflectance unit generating a phase-modulated data bit stream at a pre-selected rate;

a coder receiving said a data bit stream having a pre-selected rate wherein said coder modifies ~~for modifying~~ said ~~phase-modulated~~ data bit stream

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and by increasing said pre-selected rate; and

a switch receiving said modified ~~phase-modulated~~ data bit stream and selectively connecting an antenna to an infinite impedance "1" is to be sent, and connecting said antenna to ground if a "0" is to be sent at least one power splitter such that the antenna has a high impedance in the event a "1" is to be sent and a low impedance in the event a "0" is to be sent wherein the at least one power splitter selectively connects at least one matched load to the antenna and wherein the matched load is also connected to ground.

5. (cancelled)

6. (currently amended) The apparatus as described in claim ~~5-4~~, wherein said at least one power splitter is one power splitter.

7. (currently amended) A method of utilizing code division multiple access in modulated reflectance transmissions comprising the steps of:

generating a ~~phase-modulated reflectance~~ data bit stream;

converting said ~~phase-modulated reflectance~~ data bit stream to bipolar states of "+1s" and "-1s;"

generating square waves;

multiplying said square waves with said bipolar states

providing said multiplication to a switch that connects an antenna to an ~~infinite impedance in the event a "+1" is to be sent, or connects said antenna to ground in the event a "-1" is to be sent~~ at least one power splitter such that the antenna has a high impedance in the event a "1" is to be sent and a low impedance in the event a "0" is to be sent wherein the at least one power splitter selectively connects at least one matched load to the antenna and wherein the matched load is also connected to ground.

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8. (currently amended) Apparatus for utilizing code division multiple access in modulated reflectance transmissions comprising:

square wave generation means for outputting square waves;

~~a modulated reflectance unit means for generating a phase-modulated reflectance data bit stream;~~

~~converter~~ converter means for converting said ~~phase-modulated reflectance data bit stream~~ to bipolar states of "+1" and "-1;"

multiplication means for multiplying together said square waves and said bipolar states; and

a switch receiving said multiplication for connecting an antenna to an ~~infinite impedance in the event a "+1" is queued to be sent, and to ground in the event a "-1" is queued to be sent~~ at least one power splitter such that the antenna has a high impedance in the event a "1" is to be sent and a low impedance in the event a "0" is to be sent wherein the at least one power splitter selectively connects at least one matched load to the antenna and wherein the matched load is also connected to ground.